CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005

T-2377

Job No.: CTCE/BBMP/W.No.09/TG/CSR-08/936g/CEMENT/2015-16 Date: 02.09.2015

TEST REPORT ON CEMENT

*** CUSTOMER**	:	**Asst. Executive Engineer**, Vidyaranyapura Sub Division, BBMP, Bangalore.
***AGENCY**	:	**Mr. T. Gopinathareddy,** No. 18, 6th Cross, SSA Main Road, Hebbal, Bangalore – 32.
***NAME OF THE WORK**	:	Construction of Yoga and Meditation Building near Hopcoms at Vidyaranyapura in Ward No.09, Vidyaranyapura Sub Division. (Change of place: Construction of Library Building at HMT Layout 1st Block in Ward No.09 Phase-3), BBMP, Bangalore.
***REFERENCE**	:	EE/BTP/BBMP/E-PMT/192/2014-15 Dated: 08.01.2015
SAMPLE ID	:	Cement
SAMPLE RECEIVED ON	:	31.08.2015
PERIOD OF TESTING	:	31.08.2015 to 02.09.2015

The results of the tests conducted on the cement sample are as follows:

Sl. No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 8112-2013
1	Standard Consistency	IS-4031 (Part -4) 1988(RA-2009)	28.50 %	-
2	a) Initial Setting Time	IS-4031 (Part -5) 1988(RA-2009)	155 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5) 1988(RA-2009)	470 Minutes	Not More than 600 Minutes
3	Soundness by Le Chartlier Method	IS-4031 (Part-3) 1988(RA-2009)	1 mm	Not more than 10mm

*Information is furnished by the Customer/Representative.

Note:

⇒ The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒ Any Query regarding the report must be reported within 30 days from the date of testing.

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Quality Manager

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Job No.: CTCE/BBMP/W.No.09/TG/CSR-08/936g/SAND-Gradation/2015-16 : 02.09.2015

TEST REPORT ON DETERMINATION GRADATION OF FINE AGGREGATES

*** Customer** : **Asst. Executive Engineer,** Vidyaranyapura Sub Division, BBMP, Bangalore.

*** Agency** : **Mr. T. Gopinathareddy,**
No. 18, 6th Cross, SSA Main Road, Hebbal, Bangalore – 32.

*** Name of Work** : Construction of Yoga and Meditation Building near Hopcoms at Vidyaranyapura in Ward No.09, Vidyaranyapura Sub Division. (Change of place: Construction of Library Building at HMT Layout 1st Block in Ward No.09 Phase-3), BBMP, Bangalore.

Reference : EE/BTP/BBMP/E-PMT/192/2014-15 Dated: 08.01.2015

Technical Reference : IS : 2386 Part 1 - 1963 RA-2007

Sample ID : Fine Aggregates

Sample Received on : 31.08.2015

Date of Testing : 02.09.2015

Total Wt. of Aggregates in gms **1000**

Is Sieve Size in mm	Cumulative Weight Passing in %	Specific Limits as per IS 383-1970 (RA- 2007)			
		Zone-I	Zone-II	Zone-III	Zone-IV
10	100	100	100	100	100
4.75	93.70	90-100	90-100	90-100	95-100
2.36	74.50	60-95	75-100	85-100	95-100
1.18	49.80	30-70	55-90	75-100	90-100
600 Micron	23.00	15-34	35-59	60-79	80-100
300 Micron	12.60	5-20	8-30	12-40	15-50
150 Micron	5.40	0-10	0-10	0-10	0-15

* Information is furnished by the Customer/Representative

Remarks : This sample is under Zone-I specific limits.

Note:

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2. The results indicated above are based on the tests carried out on the samples received in the laboratory
3. Any Query regarding the report must be reported within 30 days from the date of testing.

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